

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Atty. Dkt. No. 5181-84400

Filed: April 24, 2001

For: SYSTEM AND METHOD FOR  
DETERMINING THE REQUIRED  
DECOUPLING CAPACITORS  
FOR A POWER DISTRIBUTION  
SYSTEM USING AN IMPROVED  
CAPACITOR MODEL

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below:

B. Noël Kivlin

**Registered Representative**

11-20-87

Date \_\_\_\_\_

Signature \_\_\_\_\_

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## INFORMATION DISCLOSURE STATEMENT

NOV 28 2003

Commissioner for Patents  
Washington, D.C. 20231

Technology Center 2100

Sir:

Applicant requests consideration of ☒ the references listed on the attached Form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A copy of each reference listed on the Form PTO-1449 is enclosed.

1. This Information Disclosure Statement is submitted:

- a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
- ☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;
- ☒ before the mailing date of a first Office Action on the merits; or
- ☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.
- b. ☐ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☒ the certification of paragraph 2 below is provided, or ☐ a fee of \$180.00 is enclosed.

- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.
2. It is hereby certified:
- ☒ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.
3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
4. For each non-English language reference listed on the attached Form PTO-1449:
- ☐ reference is made to an English language translation submitted herewith, and/or
- ☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- ☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- ☐ reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or
- ☐ reference is made to the concise explanation set forth below:
5. ☐ Applicant also offers the following comments for the Examiner's consideration:
6. ☒ Also enclosed is a copy of a foreign search report citing these references.
7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.
8. ☐ Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5181-84400.

Respectfully submitted,

A handwritten signature in black ink, appearing to be "B. Noël Kivlin", written over a horizontal line.

B. Noël Kivlin  
Reg. No. 33,929  
Attorney for Applicant(s)

MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C.

P. O. Box 398

Austin, Texas 78767

(512) 853-8800

Date: 11-20-03

**Form PTO-1449** (modified)  
 List of Patents and Publications  
 For Applicant's Information  
 Disclosure Statement  
 (Use several sheets if necessary)

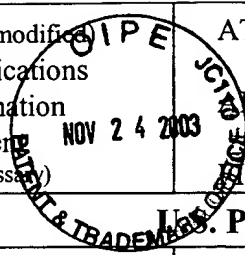
ATTY. DKT. NO. 5181-84400

APPLICANT: Smith et al.

FILING DATE: April 24, 2001

SERIAL NO. 09/841,912

GROUP: 2123

**U.S. PATENT DOCUMENTS**

| EXAM.<br>INITIALS | REF.<br>DES. | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB<br>CLASS | FILING DATE<br>APPROPRIAT |
|-------------------|--------------|-----------------|------|------|-------|--------------|---------------------------|
|                   |              |                 |      |      |       |              |                           |
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**FOREIGN PATENT DOCUMENTS**

| EXAM.<br>INITIALS | REF.<br>DES. | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUB<br>CLASS | TRANSLATIO<br>YES/NO |
|-------------------|--------------|-----------------|----------|---------|-------|--------------|----------------------|
|                   | C1           | 99/66554        | 12/23/99 | WO      |       |              |                      |
|                   |              |                 |          |         |       |              |                      |
|                   |              |                 |          |         |       |              |                      |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |    |                                                                                                                                                                                                                                    |  |  |  |  |  |
|--|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
|  | C2 | International search report application number PCT/US02/12707 mailed September 24, 2003                                                                                                                                            |  |  |  |  |  |
|  | C3 | "High Frequency Model for Power Electronics Capacitors", Siami, et al, <u>IEEE Transactions on Power Electronics</u> , March 2001, IEEE, US, Vol 16, No. 2, pages 157-166.                                                         |  |  |  |  |  |
|  | C4 | "A Study of the High Frequency Performance of Thin Film Capacitors for Electronic Packaging", Chen, et al, <u>IEEE Transactions on Advanced Packaging</u> , May 2000, IEEE, US, Vol 23, No. 2, pages 293-302.                      |  |  |  |  |  |
|  | C5 | "A High Frequency Model Based on the Physical Structure of the Ceramic Multilayer Capacitor", de Vreede, et al, <u>IEEE Transactions on Microwave Theory and Techniques</u> , July 1992, IEEE, US, Vol 40, No. 7, pages 1584-1587. |  |  |  |  |  |
|  | C6 | "Distributed SPICE Circuit Model for Ceramic Capacitors", Smith, et al, <u>2001 Proceedings, 51<sup>st</sup> Electronic Components and Technology Conference 2001</u> , Orlando, FL, May 29-June 1, 2001, pages 523-528            |  |  |  |  |  |
|  |    |                                                                                                                                                                                                                                    |  |  |  |  |  |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.